MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2019/2020

DCI1013 – INTERNET APPLICATION

(For FCM-DIPLOMA students only)

15 OCTOBER 2019
2.30 p.m – 4.30 p.m
(2 Hours)

INSTRUCTIONS TO STUDENT

1. This examination paper consists of **3** pages including the cover page.
2. There are **5** structured questions need to answer.
3. Please write all your answers in the Answer Booklet provided.

Structured Questions (Total: 50 Marks)

Instruction: Please write all your answers in the Answer Booklet provided.

QUESTION 1 (10 marks)

1.1 Briefly describe how Internet-of-Things (IoT) works? [3 marks]

1.2 State all FOUR phases in the IoT Lifecycle. [2 mark]

1.3 Define any TWO of IoT structures. [3 marks]

1.4 List down FOUR common applications of IoT. [2 mark]

QUESTION 2 (10 Marks)

2.1 Briefly define these terms and give an example for each term below:

- ISP
- IP address [4 marks]

2.2 Define HTML. [2 marks]

2.3 List FOUR reasons that make HTML5 as a favourite option for most of today's web projects. [4 marks]

QUESTION 3 (10 Marks)

3.1 Describe DNS. [2 marks]

3.2 List THREE reasons on why DNS is important for website creation. [3 marks]

3.3 List down THREE advantages of database management system (DBMS). [3 marks]

3.4 Describe the difference(s) between single-user database and multi-user database. [2 marks]

QUESTION 4 (10 Marks)

4.1 Define THREE different types of relationship in database and give an example for each type of relationship. [6 marks]

4.2 Based on **Diagram 1.1**, define the types of INVOICE table and PRODUCT table. Describe the relationship occurred between these two tables. [4 marks]

Continued...

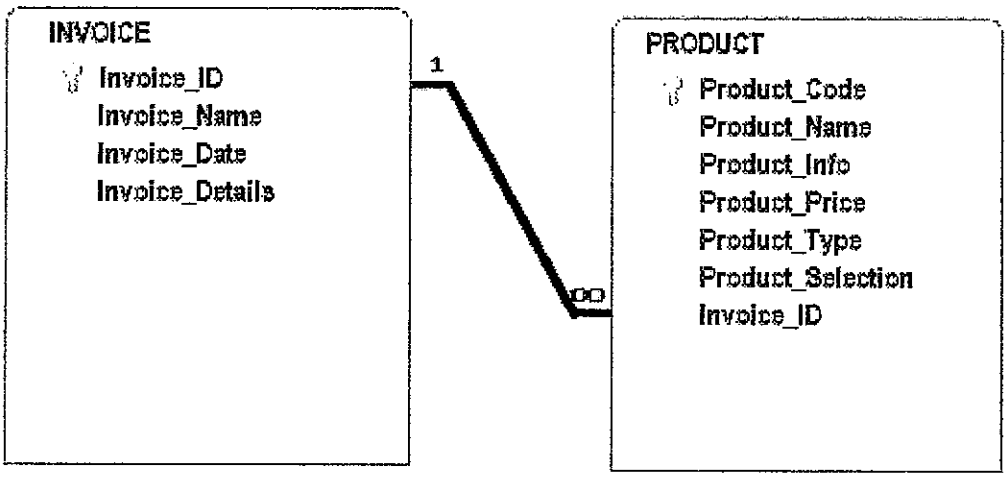


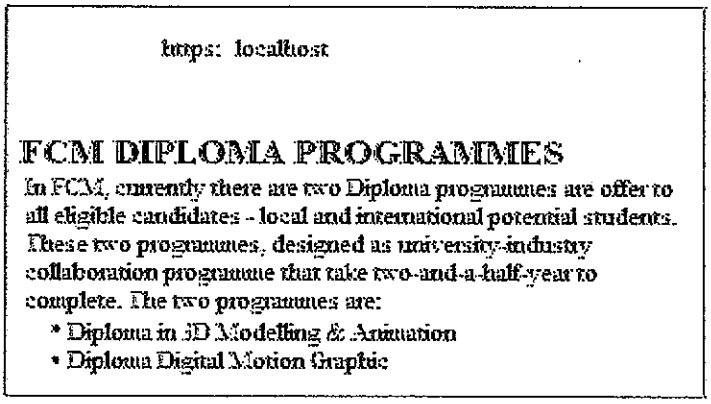
Diagram 1.1

QUESTION 5 (10 Marks)

5.1 Write a simple statement as the ***content*** for HTML paragraph ***element***. Label your HTML element with appropriate ***opening tag*** and ***closing tag***. [2 marks]

5.2 Write a HTML code to generate the output as shown in the sample output below. [3 marks]

Sample Output:


https: localhost
FCM DIPLOMA PROGRAMMES
In FCM, currently there are two Diploma programmes are offer to all eligible candidates - local and international potential students. These two programmes, designed as university-industry collaboration programme that take two-and-a-half-year to complete. The two programmes are:
• Diploma in 3D Modelling & Animation
• Diploma Digital Motion Graphic

5.3 Set the text colour of <h2> element to green, the background colour of heading to appear in blue and text alignment to left in a **style.css** sheet. [3 marks]

5.4 Name any FOUR of the properties that is used for adjusting the position of HTML elements in the web browser. [2 marks]

End of Page.